

From owner-qrp-1@netcom.com Fri Dec 2 00:19:31 1994  
Date: Thu, 1 Dec 94 20:35:14 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9412020235.AA07078@chuck.dallas.sgi.com>  
Subject: 80c32

Gang,

I need a cross-assembler for the Intel 80C32/80C52 series of microprocessors. I would like one Public Domain written in C so that I can run it on a workstation, not a PC. :-)

If I don't hear of one by Friday, then I will write one while in XE land sitting by the pool/ocean. :-) I'd like to spend more time doing coding for the keyer, but one thing at a time.

Thanks,

SIG  
Chuck Adams K5FO CP-60  
adams@sgi.com

From owner-qrp-1@netcom.com Thu Dec 1 15:15:14 1994  
Date: Thu, 1 Dec 1994 09:02:50 -0700 (MST)  
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>  
Subject: Darn!  
Message-Id: <Pine.3.89.9412010851.C22752-01000000@paris>

Chuck:

While I appreciate WA3NNA hearing me, I cannot in all honesty say that I heard him. So, drop me from my lofty position on top of the heap and only give me credit for 3 foxes. Thanks.

Tim  
AB50U

From owner-qrp-1@netcom.com Thu Dec 1 19:55:39 1994  
Date: Thu, 1 Dec 94 07:49:01 -0700  
From: Mark Monninger <markm@bigfoot.sps.mot.com>  
Message-Id: <9412011449.AA05533@bigfoot.sps.mot.com>  
Subject: Re: DEC 01 FOX REPORT

I remembered the fox hunt at around 02:10 so turned on the NE 40-40 and heard quite a pile-up around 7040. I heard several folks work the fox but I wasn't

successful in spite of calling several times. Pete was about 459 at my QTH near Phoenix. Some of the folks calling were 599+. After 20 min or so someone started tuning his kw up on about 7041 (my ears are still ringing...) so I decided to QRT and go watch the Suns get beat by Chicago. Oh well, I'll try again next week.

73... Mark AA7TA

From owner-qrp-1@netcom.com Thu Dec 1 19:46:39 1994  
From: "Doyle, Ron" <doyler@uh2297p01.daytonoh.NCR.COM>  
Subject: Found the fox ... almost  
Date: Thu, 01 Dec 94 09:33:00 PST  
Message-Id: <2EDDFD91@p003103gw1.daytonoh.ncr.com>

Hi gang,

I listened in last night as was really excited to here wa3nna. He was very weak and getting covered up by LOTS of other stronger sigs. I am not sure whether I was heard someone calling the fox or the fox. QRM was pretty bad and I was only catching pieces. I listened for a while to see of the band would clear up but alas it was not to be.

I can say at least that I think I heard the fox calling a wb???? call in Dayton Ohio. I am not sure that is even worth the standard \$0.02 but it was fun finally hearing the fox ... almost.

72 to all de N8VAR

```
.-----V-----.  
| Ron Doyle | N8VAR |  
| AT&T GIS - Dayton | Work (513) 445-3179 |  
| <Ronald.Doyle@DaytonOH.NCR.COM> | Home (513) 237-0790 |  
|-----^-----|  
| PRACTICE RANDOM KINDENESS AND SENSELESS ACTS OF BEAUTY |  
|-----V-----|
```

From owner-qrp-1@netcom.com Thu Dec 1 09:49:01 1994  
Date: Thu, 1 Dec 94 06:50:07 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9412011250.AA05872@chuck.dallas.sgi.com>  
Subject: Fox Hunt - Round 1

Gang,

So it's now the end of round one, i.e. we are half way through

the "Fox Hunt QRP Internet Style", a monster of a contest created and funded by Chuck Adams, K5FO. :-) At stake here are two NE40-40 or NE30-40 (winners choice) kits already paid for and more importantly is one's reputation on the air for having the big antenna's and hearing those puny little peanuts in the wind and ether. :-)

Here here is my tally so far. All errors are mine and mine alone and some mods to allow for QRN/QRM in getting calls. I think three is an obvious geographical advantage on 40M. Tim, AB5OU, there in Las Cruces, NM and Glen, K5UP, in Bartlesville, OK can hit both coasts. Clay, N4AOX, is in Alcoa, TN and must be sitting on all that Aluminum!! :-)  
Sorry Clay, I just couldn't let that one pass.

So Stan has his work cut out for him next week. He has posted so everyone make an effort to get out and knock the ice of the aerial, although getting closer to superconducting temperatures may help. :-)

The FOX:

Pete	WA3NNA	17 worked
Stan Golstein	N6ULU	14 worked
Clay	N4AOX	7 worked
Bob	KI0G	8 worked
Paul	WB8ZJL	8 worked
Bob	N2IPY	4 worked
Dave	N9UXU	3 worked
Chuck	K5FO	3 worked
Ted	KF8EE	1 worked

Hunters and their successes:

4	N4AOX	Clay	N2IPY	N6ULU	KI0G	WA3NNA
4	AB5OU	Tim	N6ULU	N4AOX	KI0G	WA3NNA
4	K5UP	Glen	N2IPY	N6ULU	N4AOX	WA3NNA
3	NN9K	Pete	N4AOX	WA3NNA		
2	KF8EE	Ted	N2IPY	N6ULU		
1	KB9ICC	Mark	KF8EE			
1	V01DRB	Bob	N2IPY			
1	W1HUE	Larry	N6ULU			
1	K8BVJ	Bing	N6ULU			
1	W3PM	Gene	N6ULU			
1	WB2SXN	Bing	N6ULU			
1	N1IRZ	Dave	N6ULU			
1	AC4QX	Red	N6ULU			
1	AB4EL	Steve	N6ULU			
1	W5TFB	Jack	N6ULU			
1	W2RXG	Bob	N6ULU			

1	W5YM	K5FO
1	N5ODV	K5FO
1	WA4NID	K5FO
1	NM1JK	N4AOX
1	N3PFF	John N4AOX
1	N9OUH	N4AOX
1	KC5EQC	N4AOX
1	WB4OWL	Chas N9UXU
1	KO6CWL	N9UXU
1	KM6WT	Mont N9UXU
1	K9MWM	KI0G
1	WW7Y	KI0G
1	KO6KA	KI0G
1	W0DSW	KI0G
1	KD6ZMT	KI0G
1	WB4TP	KI0G
1	N1NTQ	WB8ZJL
1	VE3CHK	WB8ZJL
1	KB2SEM	WB8ZJL
1	K0HUU	WB8ZJL
1	WA3PTY	WB8ZJL
1	NG9Q	WB8ZJL
1	WB2PPQ	WB8ZJL
1	WA3GYW	WB8ZJL
1	W3GOI	WA3NNA
1	W4HFU	WA3NNA
1	WB3CGK	WA3NNA
1	NZ4I	WA3NNA
1	K5FO	WA3NNA
1	NR3Z	WA3NNA
1	K5YUT	WA3NNA
1	W5TB	WA3NNA
1	N2CX	WA3NNA
1	WB2LJG	WA3NNA
1	N6QQ	WA3NNA
1	KE400W	WA3NNA
1	WA4NID	WA3NNA

SIG

Chuck Adams K5FO CP-60  
adams@sgi.com

From owner-qrp-1@netcom.com Thu Dec 1 20:35:49 1994  
Date: Thu, 1 Dec 1994 14:16:48 -0330 (NST)  
From: Robert Gobrick <bgobrick@random.ucsf.mun.ca>  
Subject: Re: Fox Hunt - Round 1

Message-Id: <Pine.3.87.9412011448.A152-01000000@random.ucs.mun.ca>

Chuck - please move me up in the fox hunters rank from 1 worked to 2 worked - I think you forgot Craig WB3GCK with his rain gutter effort - I think I was only one of a few who worked him (8 Nov 1994 - 0140UTC-7 Megacycles (ohhh that hurtzzz)).

By the way just to let the gang know propogation at 0200Z is the pits from Newfoundland - All I heard was a station in Puerto Rico and at 10:30 local time the pickings are slim. So it looks like all I'll ever get at that hour is "near" East Coast. So please swing those 3 element 40 meter QRP beams on those 100 foot towers up to the NorthEast and work some "real" qrp dx - ME!!

Still having fun after all these nights listening for the Fox through the Aurora Borealis - or whatever it is we have up here...

72 Bob V01DRB-

From owner-qrp-l@netcom.com Thu Dec 1 15:13:48 1994  
Date: Thu, 1 Dec 94 11:55:10 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9412011755.AA06288@chuck.dallas.sgi.com>  
Subject: Fox Results V1.1

Corrected and edited version 1.1. :-)

Gang,

Here here is my tally so far. All errors are mine and mine alone and some mods to allow for QRN/QRM in getting calls. I think three is an obvious geographical advantage on 40M. Tim, AB50U, there in Las Cruces, NM and Glen, K5UP, in Bartlesville, OK can hit both coasts. Clay, N4AOX, is in Alcoa, TN and must be sitting on all that Aluminum!! :-)  
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1	W1HUE	Larry	N6ULU			
1	K8BVJ	Bing	N6ULU			
1	W3PM	Gene	N6ULU			
1	WB2SXN	Bing	N6ULU			
1	N1IRZ	Dave	N6ULU			
1	AC4QX	Red	N6ULU			
1	AB4EL	Steve	N6ULU			
1	W5TFB	Jack	N6ULU			
1	W2RXG	Bob	N6ULU			
1	NN9K		WB3GCK			
1	AD4TK		WB3GCK			
1	W5YM		K5FO			
1	N5ODV		K5FO			
1	WA4NID		K5FO	WA3NNA		
1	NM1JK		N4AOX			
1	N3PFF	John	N4AOX			
1	N9OUH		N4AOX			
1	KC5EQC		N4AOX			
1	WB4OWL	Chas	N9UXU			
1	K06CL		N9UXU			
1	KM6WT	Mont	N9UXU			
1	K9MWM		KI0G			
1	WW7Y		KI0G			
1	K06KA		KI0G			
1	W0DSW		KI0G			
1	KD6ZMT		KI0G			
1	WB4TPW		KI0G			
1	N1NTQ		WB8ZJL			
1	VE3CHK		WB8ZJL			
1	KB2SEM		WB8ZJL			
1	K0HUU		WB8ZJL			

1	WA3PTY	WB8ZJL
1	NG9Q	WB8ZJL
1	WB2PPQ	WB8ZJL
1	WA3GYW	WB8ZJL
1	W3GOI	WA3NNA
1	W4HFU	WA3NNA
1	WB3CGK	WA3NNA
1	NZ4I	WA3NNA
1	K5FO	WA3NNA
1	NR3Z	WA3NNA
1	K5YUT	WA3NNA
1	W5TB	WA3NNA
1	N2CX	WA3NNA
1	WB2LJG	WA3NNA
1	N6QQ	WA3NNA
1	KE40OW	WA3NNA
1	WA4NID	WA3NNA

SIG

Chuck Adams K5FO CP-60  
adams@sgi.com

From owner-qrp-l@netcom.com Thu Dec 1 09:05:34 1994  
Date: Thu, 1 Dec 1994 07:06:54 -0500 (EST)  
From: prvalko <prvalko@vela.acs.oakland.edu>  
Subject: Re: Fox Schedule  
Message-Id: <Pine.3.89.9412010654.A18463-0100000@saturn.acs.oakland.edu>

On Wed, 30 Nov 1994 rossi@VFL.Paramax.COM wrote:

> Maybe what we need is a "fox of the week". The designated fox for a given  
> week could announce his most likely operating times/frequencies for the week  
> and everyone would be on the lookout for him through out the entire week.  
> The more specific the times announced then the easier it would be to find him.  
>

Hiya Pete!

We seem to HAVE a fox of the week but they only op one day! By the way... where the heck were YOU last night!!!??? Here's the list of stations in the metro Detroit area that could not find you...

ME! wb8zjl Corsair I and Argo 515  
Walt wb8e TS-50 at qrp  
Byron wa8lcz QRP Plus  
Brian AA8CY probably homebrew but I didn't ask  
Dave KG8KZ TS-450

We started a fox hunt net on the USECA 147.18 repeater right after the Mi-QRP club (Chapter 3) NET. There was a lot of discussion about Chuck's fox hunt on that net! Everyone thought it was great and they will be on the lookout from now on. It was ESPECIALLY nice because this hunt started on Wednesday night... right after the QRP net!

Anyways... you skunked us all and we gave up about an hour and a half of looking. Walt even called information to try and get your phone number to call you to see if you were on :-)

All in all, it was still fun. We had several other check into the 2M net to talk QRP/fox hunting and Byron got to tell us all about his week old QRP Plus.

73 =paul= wb8zjl

outfoxed

From owner-qrp-l@netcom.com Thu Dec 1 03:22:14 1994  
Subject: fox this week  
Date: Wed, 30 Nov 94 22:00:28 PST  
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>  
Message-Id: <9411302200.aa16165@cruzio.cruzio.com>

I get to be the fox this week..( looks like I'm a better fox than hunter since I haven't found any of you guys yet !)

I'll be on 7112 +/- on December 7 from 0230 till 0300  
and 7040 +/- from 0300 till 0430

(Those times are UTC ) that will be Tuesday evening, 0630-0830 West Coast time , 0930-1130 East Coast time.

Hope to see ya .

72 Stan.

--

72.5 (almost a full qrp convert)  
Stan Goldstein , N6ULU

From owner-qrp-l@netcom.com Thu Dec 1 08:13:40 1994  
Date: Thu, 1 Dec 1994 09:18:28 -0200 (EDT)  
From: Egiaroll & Tom <egiaroll@cat.cce.usp.br>  
Subject: Help  
Message-Id: <Pine.3.89.9412010916.A5033-0100000@cat.cce.usp.br>

Please I want to enter in the



QRP-L

What must I do ?

My name is: Tom van Ewijck

From owner-qrp-l@netcom.com Thu Dec 1 01:47:50 1994  
Date: Wed, 30 Nov 94 22:35:47 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9412010435.AA05451@chuck.dallas.sgi.com>  
Subject: Homebrew Rules de VE5VA

Gang,

>From the archives, the following was posted by Pete, VE5VA,  
famous contest winner of QRP fame. Here it is in all it's gory  
detail for you consideration, and we don't need the pros/cons.  
It's the rules - play by 'em or stay home. :-)

>From qrp-admin@Think.COM Fri Feb 11 21:27:17 1994  
Date: Fri, 11 Feb 1994 20:26:43 -0600 (CST)  
>From: Peter Hardie <hardie@herald.usask.ca>  
Subject: Homebrew

I found the QRP ARCI definition of homebrew in the Jan 1992 issue of QQ.  
The homebrew bonus points only count for homebrew transmitters, receivers  
or transceivers (i.e. a homebrew antenna tuner or QRP power meter  
wouldn't count). The qualifying equipment must meet one of the following  
criteria:

I quote:

1. Completely home constructed gear, original design or a copy of another's design and not a kit.
2. "Kits" which do not include, or have available, a step-by-step construction manual (i.e. not a Heathkit).
3. Kits (such as Heathkit) or commercial gear that contains a major modification to improve or alter significantly its performance. Examples include redesigned front-ends, alteration of one band for another band, or complete repackaging and modification involving a change in use such as home-based to portability. Completely home-built transverters used

with commercial gear also qualifies as homebrew. Cosmetic changes such as adding dial lights, commercial filters and larger control knobs do not qualify. A pure vanilla version of a Heathkit-type kit does not qualify.

The final decision as to homebrew qualification rests with the contest manager.

End quote. (I hope I have caught all my typos)

If you want to disagree with their definition, take it up with the current contest manager.

For ARCI contest entries you are required to describe your homebrew equipment, so if you feel your rig is homebrew I think you should claim the points, describe your rig(s) and let the contest manager decide if you deserve the homebrew bonus.

Pete  
ve5va.qrp@usask.ca

-----  
An excellent posting by Pete. Thanks again and I will include it in the FAQ.

dit dit es gl n tst

SIG  
Chuck Adams K5FO CP-60  
adams@sgi.com

From owner-qrp-l@netcom.com Thu Dec 1 19:59:55 1994  
From: JSPEER@sfasu.edu  
Date: Thu, 01 Dec 1994 08:25:07 -0600 (CST)  
Subject: Re: Ladder Line  
Message-Id: <01HK4FHX2WZ000060L@TITAN.SFASU.EDU>

>Hi,

>

>Ok here we go with the ladder line. My experience is if you are  
>running a multiband antenna through a tuner then ladder line is  
>the way to go. If your running a resonant antenna on one band  
>or a portion of a band use coax. I run ladder line to a 135 ft  
>inverted vee fed with a tuner and it is the best ALL band antenna  
>i have found. I run my 40m Qrp rigs to a delta loop with coax, no

>tuner and this works better on 40. Any ALL band antenna is a  
>comprimise.  
>If want great info on this subject read Doug Demaw's Antenna Book,  
>he explains it well. Also articles by Kurt Sterba?? and Lew McCoy.  
>  
>Don't listen to us, read the experts, they know from experience.  
>  
>72 and look for that FOX,  
>  
>Steve -WW7Y-

Let's not forget 300 ohm twin lead! I'm feeding a 40-meter loop with it (using  
a tuner, naturally) and it's working very well. And it's a lot less picky about  
it's physical circumstances. Mine enters the shack squashed between the wooden  
window and the wooden window sill.

72!

--

If RST > 519  
Then cut\_power;

Jim Speer, K5YUT  
f\_speerjr@titan.sfasu.edu

From owner-qrp-l@netcom.com Thu Dec 1 03:10:18 1994  
From: dwebster@netcom.com (Dennis Webster)  
Message-Id: <199412010716.XAA07190@netcom10.netcom.com>  
Subject: Re: Ladder line comments  
Date: Wed, 30 Nov 1994 23:16:45 -0800 (PST)

>  
> Hi guys,  
>  
> I've been watching all the comments on ladder line and how great it  
> is. I don't want to rain on anyone's parade here but I think it's  
> appropriate to mention some of the problems with a ladder line  
> installation. I have tried it and here are the problems that I ran  
> into.  
>  
> As mentioned before one big advantage of ladder line is that all or  
> mostly all of the power is radiated even when using a tuner, unlike  
> coax where the tuner actually eats up some of the power. Lets look at  
> why this is. Assuming a wire antenna for simplicity the wire is  
> resonant as some frequency. If a different frequency is selected and  
> matched with a tuner then the ladder line itself makes up part of the  
> antenna and radiates signal. I'm not really a very technical person  
> so I'll leave the detailed technical explanation for those who are.

This is only true if the line is unbalanced. If your line is balanced it  
does not radiate. One problem however, is that almost all of the commercial

tuner on the market are not balanced tuners. They use a balun to match the tuner to the ladder line. Unequal currents on each leg of the line will cause it to radiate. In addition the symmetry of the feed line (ie not near metal) is also important. If the feedline is balanced it will not radiate whether or not the radiator is resonant with the operating frequency. --

```
-----  
|Dennis Webster WJ6H/QRP          * LESS IS MORE! *|  
|dwebster@netcom.com              |  
|-----|
```

From owner-qrp-l@netcom.com Thu Dec 1 16:10:01 1994  
Date: Thu, 1 Dec 1994 08:57:23 -0800 (PST)  
From: "H. Ward Silver" <hwardsil@seattleu.edu>  
Subject: Re: Ladder line comments  
Message-Id: <Pine.3.07.9412010821.F22056-b100000@bach.seattleu.edu>

Regarding whether or not ladder-line radiates...It can only be considered not to radiate when you are both (a) operating at a wavelength which is "very much" larger than the spacing between the conductors, and (b) "very far" from the line in terms of conductors spacing. If you look at the field strength close to the line, you will observe that there is, indeed, some field.

In most cases, this does not come into play because both (a) and (b) are satisfied. Where this \*does\* come into play is in the shack where the line may run close to equipment (at the tuner) or run close to other feedlines. Computer hash can (and will) couple into open-wire line if the offending PC is within a few feet of the line.

In general, if using an antenna fed with open-wire line, I prefer to run coax from the tuner to an outdoor balun. This way, the ladder line is run in the clear and the coax controls the RF in the shack. The additional loss from a short run of coax is insignificant for all HF bands.

73, Ward N0AX

From owner-qrp-l@netcom.com Thu Dec 1 18:12:13 1994  
Date: Thu, 01 Dec 94 11:06:59 EST  
From: Bing - WB2SXN <ADMINH10@CLVM.BITNET>  
Subject: Ladder line, RF etc  
Message-Id: <"omnigate.c.665:01.11.94.16.24.23"@clarkson.edu>

Re: ladder line, coax, RF etc. - some observations from 17 yrs of low power cw operation - shack is in the basement - i run good quality TV twin lead from my

tuner (has 4 to 1 balun in it - MFJ) hang the twin lead from the floor joists thru the block wall where it is soldered to open wire line that feeds a center fed "zepp" - work all bands - have a field strength meter mounted on the wall in the shack(used it to set tuner before i got rich and got a tuner with swr meter built in) this set up produces no more(sometimes less) RF in the shack than trying to force feed coax hooked to a non resonant antenna - have made comparisons many times over the years - sometimes I think we really get caught up in the black magic of SWR, RF, efficiency and so on to our detriment.

73 - Bing - WB2SXX

From owner-qrp-l@netcom.com Thu Dec 1 18:43:13 1994  
From: blifter@ccd.harris.com (Bruce Lifter)  
Message-Id: <9412011957.AA67439@morsg>  
Subject: Message from W5QJR  
Date: Thu, 1 Dec 1994 14:57:16 -0500 (EST)

I passed on some of the posts regarding loop antennas on to Ted (W5QJR) and he gave me the following info to pass on to the reflector. Ted says he does not have time to play on the network so he stays off it.

Ted (W5QJR) writes:

- . The loop book is available from W5QJR Antenna Products, PO Box 334, Melbourne, Fl 32902-0334 cost \$14.95 +\$1.00 p&h
- .
- . Relative to performance - the local group uses a small loop for the weekly QRP outing at a local park - have compared all types of antennas against it, but none perform better, unless a big beam way up there. I am recommending it for all foreign religious missionaries, except those that can put up a big beam at least 60 feet high. Both the AEA and MFJ units appear to be working well, and are based on the book.
- .
- . The loop book is the only document that defines the loop using simple math that allows an optimization for the desired performance. Then it goes on to show construction techniques, etc. This book is a must read for any Ham that wants to gain some understanding of antennas of any type.
- .
- . Ted W5QJR.

The local group Ted refers to is known as the "Old Coots QRP Group". They are the only known organized QRP group in our area. They meet every Tuesday at a local park and operate QRP. I have never visited them since they meet at times when most of us are at work. (retirees - hence the name :-))

I originally posted postage and handling at \$2.00 as found in his flyer. I'm not sure if the \$1.00 p&h is a price reduction or typo on Ted's part. I am sure it is not a big deal. I will ask Ted when I get a chance. Through in \$2

if you want to take no risk. :)

73, Bruce AD4TG

--

Bruce Lifter  
Harris Corporation  
Controls Division

MS: R5-202  
email: blifter@ccd.harris.com

From owner-qrp-l@netcom.com Thu Dec 1 16:06:27 1994  
From: dequeen@BIX.com  
Date: Thu, 01 Dec 1994 14:36:21 -0500 (EST)  
Subject: mfj qrp problem  
Message-Id: <9412011436.memo.25081@BIX.com>

Hi,

This is my first post to a list, I hope I do it right.

I have a MFJ 40-meter CW-QRP rig I got a while back.

It has a problem with the sidetone output. The first dit or dah sent sounds fine but after that all I get are keyclick out the speaker.

I some how got a 20-meter manual and there is just enough changes between the two to confuse me. Any ideas on how to fix this problem?

73 de WCOH

From owner-qrp-l@netcom.com Thu Dec 1 20:40:22 1994  
Date: Thu, 1 Dec 1994 16:24:37 -0600 (CST)  
From: Bob Howle <bhowle@freud.inst.com>  
Subject: Re: mfj qrp problem  
Message-Id: <Pine.SOL.3.90.941201162308.1208B-100000@freud>

On Thu, 1 Dec 1994 dequeen@BIX.com wrote:

> Hi,  
>  
> This is my first post to a list, I hope I do it right.  
>  
> I have a MFJ 40-meter CW-QRP rig I got a while back.  
>  
> It has a problem with the sidetone output. The first dit or dah  
> sent sounds fine but after that all I get are keyclick out the speaker.  
>

> I some how got a 20-meter manual and there is just enough changes between  
> the two to confuse me. Any ideas on how to fix this problem?  
>  
> 73 de WCOH  
>

I had a simular problem - I'll bet you're using a battery rather than an ac to dc power supply. If this is the case let me know and I think I can offer a solution.

de WA4ZID

From owner-qrp-1@netcom.com Thu Dec 1 21:29:20 1994  
Date: Thu, 1 Dec 94 17:15:03 PST  
From: Mike J Pulley <Mike\_J\_Pulley@ccm.ch.intel.com>  
Message-Id: <941201171503\_1@ccm.hf.intel.com>  
Subject: Re: mfj qrp problem

As I understand it, an audible key click in the MFJ sidetone indicates low power supply voltage. Check the voltage while transmitting; it should be over 11V.

Regards,

-- Mike, WB4ZKA

----- Reply Separator -----  
Subject: mfj qrp problem  
Author: owner-qrp-1@netcom.com at Internet\_Gateway  
Date: 12/1/94 1:33 PM

Hi,

This is my first post to a list, I hope I do it right.

I have a MFJ 40-meter CW-QRP rig I got a while back.

It has a problem with the sidetone output. The first dit or dah sent sounds fine but after that all I get are keyclick out the speaker.

I some how got a 20-meter manual and there is just enough changes between the two to confuse me. Any ideas on how to fix this problem?

73 de WCOH

From owner-qrp-1@netcom.com Fri Dec 2 00:23:28 1994  
Date: Thu, 1 Dec 94 20:22:30 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9412020222.AA07036@chuck.dallas.sgi.com>  
Subject: MIA found

Gang,

Got email today and called and talked to the famous missing Dave Little, AF5U, now a resident of Scottsdale, AZ. You remember Dave from his articles and his famous picture years ago working QRP Mobile when he was stationed (working) in Dallas.

His is now on and reachable via internet at dlittle123@aol.com. He is looking to form a QRP group in Scottsdale, so if you are near there, send him email.

Last time I saw Dave was at Dayton '94. He has a 300' long wire now, but no ground as he is in the desert.

dit dit  
SIG  
Chuck Adams K5FO CP-60  
adams@sgi.com

From owner-qrp-1@netcom.com Thu Dec 1 20:17:55 1994  
Date: Thu, 1 Dec 1994 16:10:10 +0500  
From: Frank.Milos@East.Sun.COM (Frank Milos - SUN WWOPS New Products Project Manager)  
Message-Id: <9412012110.AA16512@quirp.East.Sun.COM>  
Subject: Mininec3 Question

Speaking of antennas...

Does anyone know if there is a way to plot the results when using mininec3, used in antenna modelling?

72,

Frank, N01E

(looked for the foxes a couple times, but they've managed to elude me)

From owner-qrp-1@netcom.com Thu Dec 1 20:22:26 1994



From: bob.berlyn@chowda.com (Bob Berlyn)  
Subject: NE 30/40 Question  
Date: Thu, 1 Dec 1994 06:42:00 GMT  
Message-Id: <9412011200067256@chowda.com>

Hello everybody,

I have finally got around to building mt 30/40. After geat success with my 40/40 I am anxious to get it done.

Is there any reason why I can not( Should not) install IC sockets for U1,U3,U5 ? These are the NE 602's.

The only thing I can think of is maybe some stray inductance or capacitance. But I should not think that would be a problem in the rig.

Any thoughts ? Let Me know.

Thanks

---

\* OFFLINE 1.54 \* Bob Berlyn N1PWU

Bob.Berlyn@Chowda.com

From owner-qrp-l@netcom.com Fri Dec 2 01:33:47 1994  
Date: Thu, 1 Dec 1994 22:12:35 -0500  
From: stv@world.std.com (Steve L Pitts)  
Message-Id: <199412020312.AA00897@world.std.com>  
Subject: NE40-40

Well, one more NE40-40 is on the air! I completed construction and alignment last night. The adjustments that the VFO needed to bring the alignment in for 7100Khz to 7140Khz was to come down to 25 turns on L1 and adding a 20pfd NP0 cap.

Spent this evening trimming a 40m dipole to rig up outside, now if I can convince the weatherman to bring some snow.....

73

Steve

-----  
Steve Pitts, KC7FII  
stv@world.std.com  
71045,563  
Steve Pitts KC7FII, stv@world.std.com

From owner-qrp-l@netcom.com Thu Dec 1 18:18:47 1994  
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>  
Date: Thu, 1 Dec 1994 12:44:31 CST

Subject: Neophyte receiver  
Message-Id: <4D8283747E@iunhaw1.iun.indiana.edu>

Has anyone out there made the K6EIL version of the Neophyte? Did you do it for 40 or alter for some other frequency? I got the board from FAR and have thought it might be nice to do it for 30 meters. But I am not that much of a builder so do not know where to start.

Thanks.

72 & 73 de Tim WB9NLZ

From owner-qrp-1@netcom.com Thu Dec 1 22:24:16 1994  
From: LarryN2ELW@aol.com  
Date: Thu, 1 Dec 1994 19:03:56 -0500  
Message-Id: <941201183931\_3319550@aol.com>  
Subject: OHR Kits

Hi guys!

I've been using my HW-8 for years.....last year I built the OHR QRP Wattmeter kit and really like it a lot. I was thinking of buying one of their transceiver kits and building that; as I would like to get on 30 meters a bit more via QRP.

Question.....what is the general opinion on Explorer or Spirit II kits? If they work as well as the wattmeter does, I'm sure I'll be satisfied; but I guess I'm fishing for comments and/or general impressions first.

Larry Makoski  
N2ELW

From owner-qrp-1@netcom.com Thu Dec 1 07:06:46 1994  
From: bob@psychnet.psychol.utas.edu.au (Robert Reid)  
Subject: Please unsubscribe  
Date: Thu, 1 Dec 1994 09:57:46 GMT  
Message-Id: <bob.35.2EDD9E1A@psychnet.psychol.utas.edu.au>

unsubscribe  
--

bob@psychnet.psychol.utas.edu.au  
Robert Reid  
Tel: 002 280983 Fax: 002 281853, 002 789379  
Internationally dial: 61 02 before last 6 digits

From owner-qrp-1@netcom.com Thu Dec 1 13:51:09 1994  
Message-Id: <199412011455.GAA04296@mail3.netcom.com>

Date: Thu, 1 Dec 1994 09:54:43 -0500  
From: pelt@vt.edu (Randy Pelt)  
Subject: Qrp Transmatch

I need a real good transmatch for my qrp rigs. Obviously I prefer something "small". Are there any good kits or completed units out there??? Any recommendations would be appreciated.

Tnx

Ranson J. Pelt CPA,CBA  
Internal Audit Manager  
Virginia Tech 0328  
Blacksburg, VA 24061  
(703) 231-9475 FAX (703) 231-4681

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          0      o
```

QST de nz4i Semper Fi

"No, it wasn't me who replaced the dilithium crystals with Folgers!"

From owner-qrp-l@netcom.com Thu Dec 1 18:25:22 1994  
Date: Thu, 1 Dec 94 09:28:28 MST  
From: miker@cc.com (Mike Robinson)  
Message-Id: <9412011628.AA27952@cc.com >  
Subject: qrp tuner

I received my qrp antenna tuner from Dan's Small Parts yesterday. It truly qualifies for homebrew. I don't recommend it for the faint of construction hearted.

The aluminum box came from Radio Shack. I'll have to drill the holes for the shafts and connectors.

One of the instructions makes it clear that none of caps or the multipole switch should touch the metal cabinet. Except, of course, where ground points are indicated. It suggests mounting them on spare plastic (not provided). So I'll be fabricating an inner insulation system.

The operating instructions claim no more than 10 watts of power handling capability. The air variable caps have pretty tightly spaced plates so arcing is a good possibility at higher powers.

Initially I was a little dissapointed. But I'm not one of the faint of heart. I'll push through and let you know how it turns out.

As I was writing this I decided to mount the caps and multipole switch at the rear and bring the controls forward with 1/4" plastic rod.

```
=====
7.3 de Michael aa0ub          ( formerly kd6wdd and kg0ot )
miker@cc.com                  --==<< I'm the last 'S' in KISS >>==--
=====
```

From owner-qrp-l@netcom.com Thu Dec 1 22:35:41 1994  
Date: Thu, 1 Dec 1994 18:13:37 -0700 (MST)  
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>  
Subject: qrp where are you?  
Message-Id: <Pine.SUN.3.91.941201181210.15210A-100000@ume>

Have I been dropped off the list or did it disappear?

```
*****
Dr. Rick Zabrodski BSc, MD, CCFP(E)      *                VE6GK
EMAIL:  zabrodsk@med.ucalgary.ca          *
Packet: VE6GK@VE6YYC.#cgy.ab.can.na      *      "Power is no subsititute
Phone: (403) 271-5123   Fax: 225-1276     *                for skill."
*****
```

From owner-qrp-l@netcom.com Fri Dec 2 00:23:23 1994  
Message-Id: <9412020146.AA06917@interval.interval.com>  
Date: Thu, 1 Dec 1994 17:47:06 -0800  
From: burdick@interval.com (Wayne Burdick)  
Subject: The Latest QRPp

[Doug, feel free to add this to the next issue of QRPp if there's room.]

Doug, thanks for another GREAT issue of QRPp. Nice Job, and congrats on doing your first construction article (the VFO)! I have a couple of comments about some of the other articles....

On "PRODUCT REVIEW: NC40 & NE 40-40 Compared" by K7YHA:

This was a very complete and fair review -- thanks, Rich. A few important

points for clarification:

1. You pointed out that NE602-based designs have been somewhat low in performance, and then lauded the NC40 and 40-40, but these, too are based on the '602. The chip's deficiencies apply to all receivers that use them, so I interpret your comment as saying that the NC40 and 40-40 make up for the '602s problems with good peripheral performance, e.g., better overall receiver gain distribution, sound, and features. Speaking strictly for myself, Dave and I both agree.
2. I haven't used a 2N3137 (where do you get one?) but it must be pretty decent, because in your measurements it was nearly as good as the fabulous MRF237. There are many lower cost devices that will also work nearly this well, including the 2N3553. Both of these devices are spec'ed for VHF and above, so their HF performance is excellent. Maybe someone would like to do a once-and-for-all comparison of PA transistors as used in simple rigs like these, and publish a chart, including price and availability (volunteers?). By the way, I heartily agree with your conclusion that 2 or 3 watts is just as good as 5 in most cases; certainly the math of S-units bears this out. Maybe 2 watts will become the definition of "QRP" in our lifetime.
3. The brass truss rods that you installed on the NC40 will, thankfully, not be needed on the NC40A. I used toggle switches with threaded bushings on the '40A, which stiffens the panels nicely.
4. I believe that your efficiency calculations are misleading; it seems that you were measuring overall radio efficiency, not PA efficiency. The former is a good measure because it says a lot about battery life. To measure just the latter, you have to carefully measure the DC voltage at the collector of the PA, not at the battery, and under key-down conditions since the PA collector choke and the series 1N5819 both drop some voltage under load. Also, the PA collector current has to be pared out from the total rig current. This is best done by taking one measurement with the PA collector unsoldered from the board, then subtracting that value from the actual transmit current measurements. When done this way, NC40 builders have consistently gotten values from 60 to 85%! The rig is also more efficient when the drive control is a bit below maximum.

On "Optional Frequency Counter for The NorCal Sierra" by W6QIF:

I'd like to thank Jim for getting the counter modified for the Sierra. One note, though. Jim shows how to use a rotary switch to get the proper segments lit for each band. You could also make use of the "BAND ID," "M0," and "M1" pins on the Sierra band modules to do this automatically for up to eight bands. These three pins are not used at present.

First, put jumpers on the band modules according to a binary encoding

scheme, such as "000" (all three pins jumpered to ground) for 80 meters, "001" for 40 meters (two pins jumpered, one left open), etc. Just for consistency, I will propose a standard: 000=80M, 001=40M, 010=30M, 011=20M, 100=17M, 101=15M, 110=12M, and 111=10M. (160meter users will have to think of something else.) Don't worry about the M0 and M1 lines being used for an SSB adapter someday; I've decided not to use them for that.

Next, on the bottom of the main board, connect these three pins through 10K pullups to the logic high voltage for your counter, e.g. 5 or 8 Volts. Now, connect the 3 pins to the A,B, and C inputs of a 3:8 demultiplexer IC (like a 74LS138 or its CMOS equivalent) to convert the three jumper lines to one-of-8 output lines. Use these output lines to drive the diodes that supply a voltage to the segments to be lit for each band. The diodes perform an ORing function. If anyone tries this, please let me know and publish a complete schematic in QRPP, too.

On "Magic Ham Words" by AB6SO:

This is pure genius and deserves wider distribution. Could we send it to QST and/or the Quarterly (with Vic's permission?). I had the good fortune to be at the PAARA meeting where Vic first revealed his clever technique.

On "Simple Modifications for the WM-1 Wattmeter" by W1HUE:

As Larry points out, not all red LEDs are created equal. But there is a specific name for the LEDs that are bright when using low current: "High-efficiency Red" or sometimes "Ultra-Red" or "Bright Red." You can look for LEDs with this description in the Digikey and Mouser catalogs. Such LEDs use a different wavelength from ordinary red LEDs, and while it is a bit harsher to my eye, they're fine for annunciators that have to catch your attention, as in the case of the WM-1 on/off switch.

On "The NorCal Sierra" by yours truly:

Some readers may have noticed that sheet 3 of the schematic is missing. In case they were wondering, that sheet had the RF monitoring circuitry on it. Also, Doug did a nice job on re-working my block diagram to fit on a QRPP page, but readers may want to refer to a Sierra manual to see the frequencies and other details that were necessarily left out in QRPP.

Date: Thu, 1 Dec 94 08:43:26 EST  
From: jps@Kodak.COM (John Spoonhower)  
Message-Id: <9412011343.AA01447@apt07.Kodak.COM>  
Subject: turns-counting dials for sale

Everyone,  
I have for sale a pair of top quality 0-999 turns counting dials that would be excellent for an antenna tuner or other project. These are cast aluminum parts with spinner knobs on the front; the counters are linked with a gearing mechanism. I'm looking for \$20 each + shipping for these. I'm putting these for sale on the qrp list first before I advertise elsewhere. What an excellent gift these would make for yourself or loved one...  
72, John, KC2DU, spoon@kodak.com

From owner-qrp-l@netcom.com Thu Dec 1 19:29:36 1994  
Date: Thu, 1 Dec 1994 07:46:38 -0600 (CST)  
From: Bob Howle <bhowle@freud.inst.com>  
Subject: Twin Lead -vs- Ladder Line  
Message-Id: <Pine.SOL.3.90.941201073907.26014A-1000000@freud>

I've been following the discussion on ladder line for the past week and wanted to delurk long enough to post a question -

While wondering aimlessly around the hardware store yesterday I came across a dusty roll of 300 ohm twin lead that I bought for a marked down price of fifty cents - this is the same stuff we used to use for television antenna lead in wire. Question - I should be able to use this at QRP power levels shouldn't I ? . . . even though it's not 'ladder line.

Bob / WA4ZID

From owner-qrp-l@netcom.com Fri Dec 2 03:08:05 1994  
Date: Thu, 1 Dec 1994 23:28:58 -0600 (CST)  
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>  
Message-Id: <941201232858.21697@charlie.usd.edu>  
Subject: RE: Twin Lead -vs- Ladder Line

Sure, twin-lead is OK to use. However, if the plastic material is kind of brittle and looks taut, it may indicate deterioration of the dielectric material and a consequent increase in the loss factor. The stuff is so cheap (I'm using a 50-ft hunk of foam twin-lead that cost about \$5.00) that there is no sane reason for saving \$4.50 and putting up some old deteriorated stuff.

73, Ade

From owner-qrp-1@netcom.com Thu Dec 1 12:59:50 1994  
Subject: unsubscribe  
From: larry.jones@archives.com (Larry Jones)  
Message-Id: <29c.1855.8@archives.com>  
Date: Wed, 30 Nov 94 23:57:00 -0600

unsubscribe qrp-1

-----  
Internet: larry.jones@archives.com (Larry Jones)  
-----

From owner-qrp-1@netcom.com Thu Dec 1 19:48:26 1994  
From: m266008@stlmail2.mdc.com  
Message-Id: <199412012129.NAA19155@mail3.netcom.com>  
Subject: Wanted: Anchor! (not QRP, but maybe in a closet...)  
Date: Thu, 1 Dec 94 15:25:18 CST

Wanted: Collins KWS-1 (basket-case preferred - it's all I can afford!)  
Send condition, asking price to N0XEU (here) or (314)962-1418 eves. THX.